

SCOPE OF WORK
NEPA ENVIRONMENTAL ASSESSMENT
TED STEVENS INTERNATIONAL AIRPORT
AIR TRAFFIC CONTROL TOWER REPLACEMENT
ANCHORAGE, AK

The Federal Aviation Administration (FAA) proposes the construction and operation of an Air Traffic Control Tower (ATCT) at Ted Stevens International Airport in Anchorage, AK.

The consultant shall provide the following Specified Services for the project as described below.

Task 1 Conduct Environmental Assessment

The project involves the construction and Operation of an ATCT on the existing airport property. This action requires an assessment of environmental impacts in accordance with the National Environmental Policy Act (NEPA), as described in 40 CFR Parts 1500 - 1508 and FAA Order 1050.1E CHG 1, paragraph 401(g), *Policies and Procedures for Considering Environmental Impacts*. This Scope of Work describes the services to be performed and the deliverables to be furnished by the consultant.

Task 1.1 Data Collection for the Environmental Assessment

Objective: Collect data in the following categories, as needed, to support the preparation of an environmental assessment (EA). A site visit will be required.

Product: Data and analysis for inclusion in the EA. Each of the following items as well as their direct, indirect and cumulative effects and their significance will be addressed as part of the documentation.

1. Air Quality

Assess proposed action's impact on air quality by evaluating the impact of the action on the National Ambient Air Quality Standards (NAAQS) in accordance with the Clean Air Act and the National Environmental Policy Act. An evaluation and discussion of all required permits (i.e., for any emissions from the construction and operation of the facility) should also be included. (See FAA Order 1050.1E, CHG 1, Appendix A, section 2 for a detailed discussion on appropriate evaluation of aviation related air quality impacts)

2. Coastal Resources

The consultant shall assess the impacts of the proposed action on coastal resources, as governed by the Coastal Barriers Resources Act, the Coastal Zone Management Act and E.O. 13089 – Coral Reef Protection. (See FAA Order 1050.1E, CHG 1, Appendix A, section 3 for FAA analysis of Coastal Resources impacts)

3. Compatible Land Use

The consultant shall evaluate the proposed action's impact existing and planned land uses in the vicinity of the project as described in FAA Order 1050.1E, CHG 1, Appendix A, section 4.

4. Construction Impacts

Describe the type and nature of the construction activities associated with the proposed action and measures to be taken to minimize potential adverse effects. (See FAA Order 1050.1E, CHG 1, Appendix A, section 5 for FAA analysis of Construction Impacts)

5. Department of Transportation Act Section 4(f)

Identify and evaluate the potential for impacts to Section 4(f) resources in the vicinity of the proposed action. (See FAA Order 1050.1E, CHG 1, Appendix A, section 6 for guidance on FAA analysis of Section 4(f) impacts)

6. Farmlands

Evaluate the potential impact the proposed action would have on farmlands in the vicinity, in accordance with the Farmland Protection Policy Act and the Food Security Act of 1985. (See FAA Order 1050.1E, CHG 1, Appendix A, section 7 for guidance on FAA analysis of Farmlands Impacts)

7. Fish, Wildlife, and Plants

Evaluate the potential impact the proposed action would have on fish, wildlife, and plants in the vicinity, in accordance with the Endangered Species Act of 1973, the Sikes Act Amendments of 1974, Executive Order 13112 – Invasive Species, the Fish and Wildlife Coordination Act of 1958, and the Fish and Wildlife Conservation Act of 1980. (See FAA Order 1050.1E, CHG 1, Appendix A, section 8 for further guidance on FAA analysis of Fish, Wildlife and Plants Impacts)

- Identify any potential effect on listed species or their habitat within the project area.
- Obtain species lists from State and Federal agencies, and determine if present on or within impact area of the project.
- Obtain lists of any proposed, threatened or endangered species within the project area.
- Conduct a site visit to determine the potential presence of listed species and critical habitat in the area, and assess any impacts on them.

8. Floodplains and Floodways

The consultant shall assess the impacts of the proposed action on floodplains and floodways. (See FAA Order 1050.1E, CHG 1, Appendix A, section 9 for guidance on FAA analysis of Floodplains Impacts)

9. Hazardous Materials and Solid Waste

Evaluate the potential impact the proposed action would have on hazardous materials and solid waste generation, disturbance, etc., in accordance with CERCLA, the Pollution Prevention Act of 1990, TSCA, and RCRA. (See FAA Order 1050.1E, CHG 1, Appendix A, section 10 for guidance on FAA analysis of hazardous materials and solid waste impacts)

10. Historical, Architectural, Archaeological, and Cultural Resources

The project is located on airport property. The following steps shall be completed for the proposed action:

- Assist the FAA in identifying the Area of Potential Effect (APE) for the proposed action.
- Prepare a project scoping letter (to be sent by the FAA) to the applicable historic preservation office to begin Section 106 consultation. The request may include a request for a list of potential National Register of Historic Places (NRHP)-eligible properties that would be affected by the proposed project and also a request for concurrence with the proposed APE.

Should the state reply with a requirement to conduct a full cultural resources survey and evaluation, these tasks will be considered Additional Services. (See FAA Order 1050.1E, Appendix A, section 11 for guidance on Historical, Architectural, Archeological and Cultural Resources impact analysis)

The FAA will conduct the following, with assistance from the consultant:

- *Government-to-Government:* The consultant shall provide the FAA with a USGS map, project location drawings and plans, project description, and legal description and the APE. These items will assist in the direct coordination between the FAA and the local Native American Tribes. The consultant shall identify any tribes that would be associated with the project area. A copy of the 106 documentation will be submitted to the any applicable Tribe(s) for review and comment. Comments and revisions will be addressed accordingly.

11. Light Emissions and Visual Impacts

The impacts from the proposed action to light and visual quality in the vicinity shall be evaluated and discussed by the consultant. (See FAA Order 1050.1E, Appendix A, section 12 for guidance on Lighting Emissions and Visual Impact analysis)

12. Natural Resources and Energy Supply

The consultant shall evaluate the impact on the natural resources or energy supply to the area. (See FAA Order 1050.1E, Appendix A, section 13 for proper FAA analysis and discussions about Natural Resources and Energy Supply impacts)

13. Noise

The consultant shall evaluate the proposed action in comparison with the extent of the airport noise impacts, to be directly correlated with compatible land use in the vicinity. (See FAA Order 1050.1E, Appendix A, section 14 for direction on proper FAA analysis of Noise impacts)

14. Secondary (Induced) Impacts

The potential for secondary and induced impacts will be evaluated and discussed by the consultant. (See FAA Order 1050.1E, Appendix A, section 15 for guidance on FAA analysis of Secondary (Induced) impacts)

15. Socioeconomic Impacts, Environmental Justice and Children's Environmental Health and Safety Risks

The potential for social impacts including changes to transportation, housing, and economic development; as well as environmental justice, and children's environmental health and safety risks will be evaluated and discussed by the consultant. (See FAA Order 1050.1E, Appendix A, section 16 for guidance)

16. Water Quality

The consultant shall evaluate and discuss the potential for impacts to water quality adjacent to the proposed action. (See FAA Order 1050.1E, Appendix A, section 17 for guidance on FAA analysis of Water Quality impacts)

17. Wetlands

The consultant shall evaluate and discuss the potential for impacts to wetlands adjacent to the proposed action. If wetlands are identified at the site, a wetlands delineation will be conducted and wetlands assessed per FAA Order 1050.1E, Appendix A, Section 18. Should mitigation be required, this task will be conducted under a separate Additional Services request.

18. Wild and Scenic Rivers

The consultant shall evaluate and discuss any impacts to wild and scenic rivers in the project vicinity. (See FAA Order 1050.1E, Appendix A, section 19 for guidance on FAA analysis of Wild and Scenic Rivers impacts)

Task 1.2 Prepare Draft EA for Agency Review

Objective: Prepare a draft EA for review by the regulatory agencies and the public.

Approach: The consultant shall prepare a Draft EA for review by the stakeholder applicable agencies as determined by the FAA and the consultant. The Draft EA shall be prepared in general accordance with the following outline as specified in FAA Order 1050.1E, paragraph 405:

Cover Sheet

Executive Summary

Section 1 Proposed Action

Section 2 Purpose and Need for the Project

Section 3 Alternatives (including Proposed Action)

Section 4 Affected Environment

Section 5 Environmental Consequences, including Direct, Indirect, and Cumulative Effects

Section 6 Mitigation (if any)

Section 7 List of Preparers and Qualifications

Section 8 List of Agencies and Persons Consulted

Appendices

Example Appendices:

Appendix A. Definitions and Acronyms

Appendix B. FAA and Agency Correspondence

Appendix C. Public Involvement

Appendix D. – F. Technical Memoranda, as needed

Product: Draft EA document

Note: There will likely be several preliminary Draft EA versions submitted to the FAA for internal review prior to release of the Draft EA to the public.

Task 1.3 Agency and Public Review of Draft EA

Objective: Submit the Draft EA to the public and agencies for review in accordance with CEQ regulations.

Approach: The consultant, under direction of the FAA, will distribute the Draft EA to the public and the agencies with a request to respond within 30 days.

Review copies will be made available by the consultant to the local County and Public Libraries. In addition, a Public Notice will be posted by the consultant in local newspapers requesting public input and informing the public of copy availability.

Product: The consultant will produce CD copies or hard copies for Agency and Public Review, when requested. Responses and agency comment letters will be produced and collected by the consultant for inclusion into the final document.

Task 1.4 Prepare Final Draft EA and Finding of No Significant Impact (if appropriate)

Objective: Preparation of Final Draft EA including compiling of agency comments and addressing any issues raised as a result of agency reviews or public input.

Approach: Additional information may be added as a result of agency reviews and/or public input. The consultant will provide documentation in the Appendix that such reviews have occurred and include the appropriate documentation in the Final Draft EA and FONSI (if appropriate).

Product: The Final EA/FONSI (if appropriate) will be prepared by the consultant for FAA review.

Task 1.5 Submit EA to FAA for Final Review

Objective: The EA will be submitted to the FAA for review and issuance of a FONSI (if appropriate).

Approach: The FAA will receive a complete copy of the Final EA and will review the document for completeness and content.

Product: Once the Final EA/FONSI is approved by the FAA, up to 10 hard copies and 2 disk copies of the EA and FONSI shall be produced for distribution to the FAA and key interested parties.

Task 1.6 Publish Final EA/FONSI

Objective: The consultant will publish the Final EA/FONSI (if appropriate) in local newspapers for final public informational review period (10 days).

Note: This is just an informational publication and no comments are being solicited.